



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 3734

|                             |                                       |              |                        |                               |
|-----------------------------|---------------------------------------|--------------|------------------------|-------------------------------|
| SERIAL NUMBER<br>10/606,213 | FILING DATE<br>06/26/2003<br><br>RULE | CLASS<br>700 | GROUP ART UNIT<br>3661 | ATTORNEY DOCKET NO.<br>P23884 |
|-----------------------------|---------------------------------------|--------------|------------------------|-------------------------------|

## APPLICANTS

Chun-Kyu Woo, Incheon, KOREA, REPUBLIC OF;

Hyeong-Sin Jeon, Anyang, KOREA, REPUBLIC OF;

*m m*  
 \*\* CONTINUING DATA *None* \*\*\*\*\*

*m m*  
 \*\* FOREIGN APPLICATIONS *Yes* \*\*\*\*\*

REPUBLIC OF KOREA 4573/2003 01/23/2003

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 09/16/2003

|   |  |                            |                           |                                |
|---|--|----------------------------|---------------------------|--------------------------------|
| Foreign Priority claimed<br><input checked="" type="checkbox"/> yes <input type="checkbox"/> no   | STATE OR<br>COUNTRY<br>KOREA,<br>REPUBLIC OF | SHEETS<br><br>DRAWING<br>6 | TOTAL<br><br>CLAIMS<br>15 | INDEPENDENT<br><br>CLAIMS<br>2 |
| 35 USC 119 (a-d) conditions met<br><input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance |  |                            |                           |                                |
| Verified and Acknowledged<br>Examiner's Signature <i>m m</i> Initials   |  |                            |                           |                                |

## ADDRESS

7055  
 GREENBLUM & BERNSTEIN, P.L.C.  
 1950 ROLAND CLARKE PLACE  
 RESTON , VA  
 20191

## TITLE

Position information recognition apparatus for cleaning robot

|                                   |   |   |
|-----------------------------------|---|---|
| FILING FEE<br><br>RECEIVED<br>750 | FEES: Authority has been given in Paper<br>No. _____ to charge/credit DEPOSIT ACCOUNT<br>No. _____ for following: | <input type="checkbox"/> All Fees<br><input type="checkbox"/> 1.16 Fees ( Filing )<br><input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )<br><input type="checkbox"/> 1.18 Fees ( Issue )<br><input type="checkbox"/> Other _____<br><input type="checkbox"/> Credit |
|-----------------------------------|---|---|